

This listing of claims will replace all prior versions of claims in the application.

Listing of Claims: Please amend the claims as follows:

We claim:

Claim 1. (Cancelled)

Claim 2. (Cancelled)

Claim 3. (Cancelled)

Claim 4. (Cancelled)

Claim 5. (Cancelled)

Claim 6. (Cancelled)

Claim 7. (New) A peptide fraction obtained by reverse phase HPLC of a tryptic hydrolysate of α_{s2} casein in a gradient of acetonitrile, said peptide fraction corresponding to peak 1, 2, 3 or 4 collected respectively at 25, 29, 57 or 60 min, wherein:

- the peak 1 contains the peptide TVY (SEQ ID NO: 1);
- the peak 2 contains the peptide NMAINPSK (SEQ ID NO: 2);
- the peak 3 contains the peptide FALPQY (SEQ ID NO: 3);
- the peak 4 contains the peptides FPQYLQY (SEQ ID NO: 4) and FALPQYLK (SEQ ID NO: 5),

wherein said peptides have inhibiting activity on ACE, with IC_{50} values equal to or less than 60 μ M.

Claim 8. (New) A pharmaceutical composition containing as its active ingredient an effective quantity of one of more peptide fractions according to claim 1, in combination with a pharmaceutically acceptable vehicle.

Claim 9. (New) A food product comprising an effective quantity of one or more peptide fractions according to claim 1, in combination with a food base.

Claim 10. (New) A food product according to claim 9 further comprising

at least one of the peptide fractions corresponding to peaks 5, 6 and 7 eluted respectively at 52, 59 and 31 min, wherein:

- the peak 5 contains the peptide ALNEINQFYQK (SEQ ID NO: 8),
- the peak 6 contains the peptide ALNEINQFY (SEQ ID NO: 9),
- the peak 7 contains the peptide YL (SEQ ID NO: 10).

Claim 11. (New) A method of preparation of a pharmaceutical composition having antihypertensive activity comprising fractioning a tryptic hydrolysate of α_{s2} casein by reverse phase HPLC in a gradient of acetonitrile, obtaining peptide fraction corresponding to peak 1, 2, 3 or 4 collected respectively at 25, 29, 57 or 60 min, wherein:

- peak 1 contains the peptide TVY (SEQ ID NO: 1);
- peak 2 contains the peptide NMAINPSK (SEQ ID NO: 2);
- peak 3 contains the peptide FALPQY (SEQ ID NO: 3);
- peak 4 contains the peptide FPQYLQY (SEQ ID NO: 4) and FALPQYLK (SEQ ID NO: 5);

wherein said peptides have inhibiting activity on ACE, with IC_{50} values equal or less than 60 μ M,

and using one or more of said peptide fractions to prepare a pharmaceutical composition having antihypertensive activity.

Claim 12. (New) A food product according to claim 9, wherein said food base comprises a protein, lipid, or a carbohydrate.

Claim 13. (New) A method of inhibiting angiotensin I converting enzyme (ACE) comprising contacting said enzyme with a peptide fraction of claim 1.

Claim 14 (New) A method of treating hypertension comprising administering to a subject in need thereof an effective amount of a peptide fraction of claim 1.